CANTOR COLBURN LLP

INTELLECTUAL PROPERTY ATTORNEYS 55 Griffin Road South Bloomfield, CT 06002

RECEIVED CENTRAL FAX CENTER SEP 3 0 2004

Tel: (860) 286-2929 Fax: (860) 286-0115

FACSIMILE TRANSMITTAL SHEET

DATE:

September 30, 2004

TO:

USPTO IDS Division

cc:

FAX NO.:

(703) 872-9306

FROM: Karen A. LeCuyer

TOTAL NUMBER OF PAGES SENT

(INCLUDING THIS COVER SHEET): (14) - including this cover sheet

COMMENTS:

RE:CSO-0001-P

If there are any problems with this facsimile transmission, please contact Leila Leahy at: (860) 286-2929, Ext. 1187. Thank you.

IMPORTANT: This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that reading, disseminating, distributing or copying this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone, and return the original message to us at the above address via the U.S. Postal Service. Thank you.

TRANSMITTA	L OF INFORMA (Under 37 CFR	TION DISCLOSURE STA (1.97(b) or 1.97(c))	TEMENT	1)				
In Re Application Of	: CHEN							
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.			
10/647,458	August 1, 2003	NYA	23413	1614	2036			
Application No. Filing Date Examiner Customer No. Group Art Unit Confirmation N								
Application No. Filing Date Examiner Customer No. 10/647,458 August 1, 2003 NYA 23413 1614 2036 Title: BOTANICAL EXTRACT COMPOSITIONS AND METHODS OF USE Address to: Commissioner for Palants P.O. Box 1450 Alexandria, VA 22313-1450 37 CFR 1.97(b) 1. Image: The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114. 37 CFR 1.97(c) The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of: the statement specified in 37 CFR 1.97(e);								
,								
		Commissioner for Pater P.O. Box 1450			,			
					*			
of a nation three mon	nal application other ths of the date of er	than a continued prosecution atry of the national stage as se of a first Office Action on the n	application and It forth in 37 Cf nerits, or before	R 1.491 in an in the mailing of a	nternational			
		37 CFR 1.97(c)						
GFR 1.97	(b), provided that the	e Information Disclosure State	under 37 CF	R 1.311, or an	H			
☐ the	statement specified	in 37 CFR 1.97(e);						
the fee set forth in 37 CFR 1.17(p).								

TRANSMITTA	L OF INFORMA (Under 37 CFF	TION DISCLOS R 1.97(b) or 1.97(c		TEMENT	11	oket No. 9-0001-P
In Re Application	: CHEN					
Application No.	Filing Date	Group Art Unit	Confirmation No			
10/647,458	August 1, 2003	NYA		23413	1614	2036
Title: BOTANICA	AL EXTRACT COM	POSITIONS AND M	ETHODS (of use		,
★ The Director as describe	he amount of r is hereby authorize d below.	nplete if Applicant elect is attaci	hed.			
☑ Cre ☑ Ch	arge the amount of edit any overpayment arge any additional for credit card. Form Parties on this nation on this form, Provide	ee required. TO-2038 is attached	a mubila (credit card info	ormation should	d not be
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I certify that this account is bein Patent and Trad	document and authoriza g facsimile transmitted emark Office (Fax. No.	tion to charge deposit to the United States	I hereby with the	certify that this or United States Post class mail in class mail in for Patents. (Date)	prespondence is be tal Service with suff an envelope a P.O. Box 1450, Al D.	ing deposited ficient postage addressed to exandria, VA
Lella Leahy Typed or I	Printed Name of Person Si	ning Certificate	Ty	ped or Printed Nam	e of Person Malling (Certificate
*This certific deposit acco Karen A. LeCuyer CANTOR COLBU Customer No.: 234 Registration No.: 5	13	if paying by	Dated:	September 30,	2004	
				•		

CSO-0001-P

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Sophie Chen Applicant: Group Art Unit: 1614 10/647,458 Serial No.: Examiner: NYA August 1, 2003 Filing Date: RECEIVED BOTANICAL EXTRACT For: **CENTRAL FAX CENTER** COMPOSITIONS AND METHODS) OF USE SEP 3 0 2004

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 AND 1.98

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose, submitted herewith is form PTO-A820 (PTO-1449) listing publication(s) of which those designated by 37 CFR § 1.56 are aware. Copies of the non-United States patents or published applications are enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is, or is considered to be, material to patentability.

Respectfully submitted,

CANTOR COLBURN LLP

By: Long Q. Lo Ceyar Karen A. LeCuyer Ph.D. Registration No. 51,928

Date: September 30, 2004 Customer No. 23,413

(860) 286-2929

From the INTERNATIONAL SEARCHING AUTHORITY

園 JUL 06 2004 CANFOH COLBURN LLP

To: CANTOR COLBURN LLP Attn. Reimer, Leah M. 55 Griffin Road South Bloomfield, CT 06002 UNITED STATES OF AMERICA	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1)				
	Date of mailing (day/month/year) 01/07/2004				
Applicant's or agent's file reference CSO-0001PF-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US 03/24088	International filing date (day/month/year) 01/08/2003				
Applicant	,				
CHEN, Sophie					
1. The applicant is hereby notified that the International Search Report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 48): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombattes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.					
3. With regard to the protest against payment of (an) addition the protest together with the decision thereon has be applicant's request to forward the texts of both the protest.	onal fee(s) under Rule 40.2, the applicant is notified that: on transmitted to the International Bureau together with the otest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the ap	plicant will be notified as econ as a decision is made.				

 Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the International application will be published by the International Bureau, if the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the phority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for International publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2

ML-2280 HV Rijewijk Tel. (+31-70) 340-2040, Tx. 31 851 epo ni, Fax: (+31-70) 340-3018

Authorized officer

Sandrine Polenzani

Form PCT/ISA/220 (July 1998)

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the International preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the international Preliminary Examining Authority. The description and drawlings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 18 months from the priority date, whichever time limit expires tater. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Auje 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international prollminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filled.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the International application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that Identical indications concerning several claims may be grouped), whether

- the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed:
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where onginally there were 48 claims and after amendment of some claims there are 51];
 *Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers: claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 8 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filling any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filling the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.9(a) and 62.2, first sentence). For further information, see the Notes to the demand form (POT/IPEA/401).

Consequence with regard to translation of the International application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form POT/ISA/2) ACTION	of Transmittal of International Search Report (20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 03/24088	01/08/2003	06/03/2002
Applicant		•
	1	
CHEN, Sophie		
This international Search Report has b according to Article 18. A copy is being	een prepared by this international Searching Aut transmitted to the international Bureau.	nonty and is transmitted to the applicant
	ere of a total of 07 sheets.	
This International Search Report consi	by a copy of each prior art document cited in this	report,
It is also accompanied	by a copy of count price and a constant	
1. Basis of the report	:	
 a. With regard to the language, the language in which it was filed, 	he international search was carried out on the ba unless otherwise indicated under this item.	
	h was carried out on the basis of a translation of)).	
 With regard to any nucleotide was carried out on the basis o 	end/or amino acid sequence disclosed in the i	nternational application, the international search
	ational application in written form.	
Sled marther with the	international application in computer readable for	dur.
fumished subsequent	ly to this Authority in written form.	•
	L thin Authority in computer readble form.	
the statement that the	subsequently furnished written sequence listing	does not go beyond the disclosure in the
the statement that the furnished	Information recorded in computer readable form	is identical to the written sequence listing has been
- Granin claims were	found unsearchable (See Box I).	
2. X Certain claims were g. X Unity of invention is	lacking (see Box II).	
a. X Unity of invention is		
4. With regard to the title,		
4. With regard to the title;	as submitted by the applicant.	
l 🚝	- Waland by this Authority to read as follows:	
BOTANICAL EXTRACT C COMPRISING PRENYL F	OMPOSITIONS WITH ANTI-CANCER	OR PHYTOESTROGENIC ACTIVITY
5. With regard to the abstract,		
the text is approved the text has been est within one month from	as submitted by the applicant. tablished, according to Rule 38,2(b), by this Authr m the date of malling of this International search r	prity as it appears in Box III. The applicant may, report, submit comments to this Authority.
6. The figure of the drawings to be	published with the abstract is Figure No.	7
as suggested by the	applicant.	None of the figures.
because the applica	nt failed to suggest a figure.	
hecause this figure	petter characterizes the invention.	
DEAGNOS WILL US		

Form PCT/ISA/210 (first sheat) (July 1998)

ROX 1	∪oservations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	mational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claims 1-6 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. X	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: See FURTHER INFORMATION sheet PCT/ISA/219
з. 🔲	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. [As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3,	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	1 (part), 2, 3-7 (part), 8, 9-11 (part)
Remar	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1998)

page 1 of 2

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 1-6 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box I.1

Claims Nos.: -

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

Continuation of Box 1.2

Claims Nos.: -

The formula given in claim 1 is not clear. Therefore the search has been carried out for a prenyl flavonoid represented by the formula in claim 1 with the proviso that at least one of R31 and R30 (instead of R33) is 3-methyl-2-butenyl. R33 can't be isoprenyl since an alkenyl substituent is not allowed for R33 (see the formulae in claims 1 and 7).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

. International Application No. PCT/ US 03/24088

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1 (part.), 2, 3-7 (part.), 8, 9-11 (part.)

Compositions comprising an anti-cancer agent and a prenyl flavonoid and their use for the treatment of cancer

2. claims: 1 (part.), 3-7 (part.), 9-11 (part.)

Compositions comprising an anti-cancer agent and formonometin and their use for the treatment of cancer

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	International Patent Classification (IPC) or to both national classifica	ation and IPC				
	SEARCHED					
IPC 7	reumentation searchad. (classification system followed by dassification A61K . A61P	on symbols)				
Documentat	ion searched other than minimum documentation to the extent that e	uch documents are included in the fields sea	arched			
Electronic d	ata base consulted during the International search (name of data bas	ee and, where practical, search terms used)				
EPO-In	ternal, WPI Data, PAJ, BIOSIS, EMBAS	SE, SCISEARCH, PASCAL,	CHEM ABS Data			
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C. DOCUME	INTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the refe	event passagés	Relevant to claim No.			
X	EP 1 159 963 A (PROTEIN TECH INT) 5 December 2001 (2001-12-05)) .	1,7			
Y	page 9, lines 37-46; claims		1-11			
Y	JANG, DAE SIK ET AL: "Prenylated	d 1	1-11			
·	flavonoids of the leaves of Macai					
	conifera with inhibitory activity	y against	•			
	cyclooxygenase-2" PHYTOCHEMISTRY (ELSEVIER) (2002).	61 (7)				
	867-872, XP002269642	. 02(/),				
	* compounds 3,4,5 *					
	abstract	·				
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X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed in	annex,			
	regories of gifed documents :	"T" later document published after the inter or priority date and not in conflict with t	national filing date he application but			
"A" decume consid	nt delining the general state of the lart which is not ered to be of particular relevance	cited to understand the principle of the invention	ory underlying the			
"E" satilier document but published on or after the international "X" document of particular relevance; the claimed invention						
	filling date "L" document which may throw doubts on priority claim(s) or "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication data of another "Y" document of particular relevance; the claimed invention					
citation	or other spacial reason (es apeciliso)	cannot be considered to involve an inv	entive step when the			
other n	"O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.					
"P" docume later th	nt published prior to the international filling date but an the priority date claimed	"&" document member of the same patent f	emily			
Date of the a	actual completion of the international search	Date of mailing of the International sear	ch report			
10	9 February 2004	0 1, 07, 2004				
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	Europaan Patent Office, P.B. 5818 Patentiaan 2 NL - 2260 HV Rijswijk		İ			
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fex: (+31-70) 340-3016	Friederich, M				

Form PCT/ISA/210 (second sheet) (January 2004)

NO.562

Υ .	FUKAI, TOSHIO ET AL: "Cytotoxic activity of low molecular weight polyphenols against human oral tumor cell lines" ANTICANCER RESEARCH (2000), 20(4), 2525-2536, XP001016407 table 1	1-11
Y	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03, 27 February 1998 (1998-02-27) & JP 09 301915 A (SANKYO CO LTD), 25 November 1997 (1997-11-25) abstract	1-11
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Form PCT/ISA/210 (continuation of second sheet) (January 2004)

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